



Campus Masterplan

2012 – 2022

Campus Masterplan

The University of Manchester is to invest £1 billion over the next ten years to create a world-class campus for our staff and students.

The Estates Masterplan, which was approved by the University's Board of Governors in 2012, will create a single campus and will involve the construction of new teaching and research buildings, student facilities and major improvements to the public realm.

The first phase of the plan, costing around £700 million, will be delivered between now and 2018. It includes the building of the new Manchester Engineering Campus Development, new centres for the School of Law and Manchester Business School, a major refurbishment of the University Library, a bigger and better Students' Union and a new Medical School for our students in Dover Street. There will also be investment in a Combined Heat and Power Facility, as well as a new car park and the refurbishment of the telescope at Jodrell Bank.

The University will also spend several million pounds to improve the University's public realm and landscaping in order to capitalise on the future improvements to Oxford Road, which will see wider pavements, tree-lined boulevards and the removal of all cars during 2015. Students will benefit from major IT upgrades, a new teaching block, refurbishments of many teaching rooms and an extension to the Students' Union Building.



Outline plans have been drawn up for a second phase which is expected to cost more than £300 million and would begin in 2018 and end in 2022. This second phase would create a Biomedical Campus around the existing Stopford Building, a new health centre for staff and students, and includes refurbishments in the Schools of Computer Science, Earth, Atmospheric and Environmental Sciences, Mathematics and Chemistry.

Director of Estates and Facilities Diana Hampson said: "Since the merger of the two universities in 2004, it has been our ambition to bring all of the academic activity together on a single site south of the Mancunian Way, which will improve efficiency, improve the student experience and reduce the University's carbon footprint.

"This visionary building programme will give us one of the most modern campuses in the world, where the vast majority of our students will be studying in brand new or refurbished buildings."

The new investment is in addition to the £750 million spent since 2004 which has already seen the completion of ten new buildings and many large scale refurbishments.

The completion of Phase One of the Masterplan will see the University moving out of most of the buildings on the North



Campus, although it will retain some of the buildings to the west of Sackville Street, including the Manchester Interdisciplinary Biocentre. The University is already working with partners from the City Council and New Economy to identify a suitable use for the buildings on the North Campus, which will be vacated by 2018.

The majority of schools will not move out of their present base on the North Campus until the Manchester Engineering Campus Development is completed in 2018 and the University will continue to invest in and maintain the North Campus to a high standard, with significant investment over the next six years.

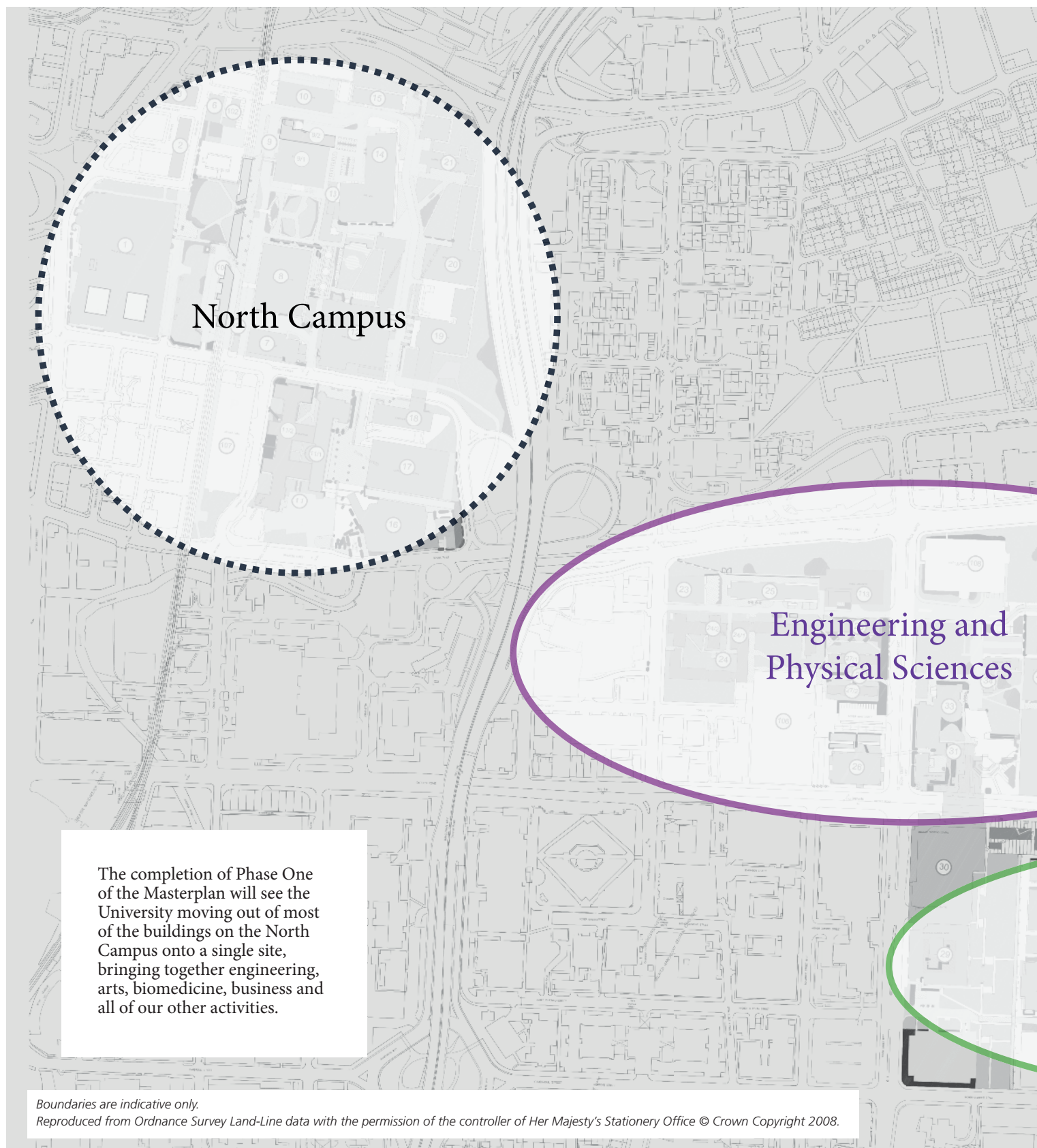
President and Vice-Chancellor of The University of Manchester, Professor Dame Nancy Rothwell, said: "For the first time, we will deliver a single site for The University of Manchester, where engineering, arts, biomedicine, business and all of our other activities live side by side, and our students will be at the real heart of a campus.

"Our long-term aim, as restated in our *Manchester 2020 Vision*, has been to create a world leading university that would compete with the best universities in the world and would occupy a single, outstanding campus, where some of our beautiful old buildings would stand alongside the very best in modern facilities for our research and our students."

When developing the new Estates Strategy the following key strategic issues needed to be addressed:

- **Single campus** – for the benefit of staff and students
- **Carbon reduction** – to create a new energy efficient campus. Our Carbon Management Plan aims to reduce emissions by 40% by 2020 against 2007/8 baseline
- **Space efficiencies** – some of our historic buildings date back to the 1890s, so we need more new buildings that reflect the needs of 21st century students
- **Student experience** – to improve the student experience and provide quality accommodation consistently across the campus
- **Building condition** – a substantial proportion of our buildings on the North Campus are in poor condition and would be very expensive to refurbish

Phase One: 2012-2018



North Campus

Engineering and
Physical Sciences

The completion of Phase One of the Masterplan will see the University moving out of most of the buildings on the North Campus onto a single site, bringing together engineering, arts, biomedicine, business and all of our other activities.

Boundaries are indicative only.

Reproduced from Ordnance Survey Land-Line data with the permission of the controller of Her Majesty's Stationery Office © Crown Copyright 2008.

“A single, outstanding campus”



Manchester Engineering Campus Development

Michael Smith Building Additional Offices

In order to create additional office accommodation within the existing Michael Smith Building, a new café will be constructed within the courtyard area of the building. Following completion of the new café the existing café space will be vacated and then converted into office accommodation.

The total cost of these works is in the order of £1m and the works will be complete during next year.

At a cost of £200m, this project will be the single largest construction project ever delivered at the University.

A significant part of the Estates Strategy is to relocate all academic accommodation from the North Campus to the South, so we need to create the Manchester Engineering Campus Development near Oxford Road.

The new engineering campus will be located on the site bounded by Grosvenor Street, Upper Brook Street and Booth Street East. The site is currently occupied by the Grosvenor Halls of Residences and the Materials Science Building,

and these will be demolished to clear the site for this project.

The campus will include new accommodation for the School of Mechanical, Aerospace and Civil Engineering, the School of Electrical and Electronic Engineering, the School of Materials and the School of Chemical Engineering and Analytical Science, all of which will contribute hugely to enhancing the student experience in the Faculty of Engineering and Physical Sciences. The Manchester Engineering Campus Development is expected to open for business in 2018.

James Chadwick Building, Phase Two

This is a proposed seven-storey extension to the recently completed (2012) James Chadwick Building. Located on the corner of Booth Street East and Upper Brook Street the ground floor of the new extension will contain a suite of seminar and teaching facilities together with general office accommodation for the School of Chemical Engineering and Analytical Science.

The remaining five upper levels will provide a mix of teaching and specialist research laboratories, write-up areas and social space, whilst the top floor will accommodate academic offices.





The National Graphene Institute

The £61m National Graphene Institute will provide a state-of-the-art research facility which builds upon the highly acclaimed work of Nobel Laureates Professor Sir Andre Geim and Professor Sir Kostya Novoselov of The University of Manchester.

The Institute will be the focal point for both continuing academic research and commercialisation of the major past and future discoveries on graphene.

Located on a vacant site on Booth Street East, the four-storey National Graphene Institute will

house state-of-the-art clean rooms and laboratories, as well as academic offices and ancillary accommodation. Work is due to start on site shortly, and it is anticipated the facility will be fully operational early 2015.

Professor Geim said: "Creating a National Graphene institute here at The University of Manchester will allow our world-class scientists and researchers to further explore the limitless potential of graphene. To have such a facility here is a testament to the expertise at the University and will offer fantastic opportunities

for Manchester researchers to work closely with industry and business."

Professor Novoselov said: "The National Graphene Institute is fundamentally important to continue the world-class graphene research started in Manchester. Our researchers and scientists will be able to collaborate with colleagues from other universities and from some of the world's leading companies, which can only serve to enhance scientific research."

Dover Street Medical School and Stopford Building Laboratories

A long term Masterplan has been completed for the Faculty of Medical and Human Sciences and Life Sciences, which enables a series of projects to develop over many years which will ultimately result in a series of new buildings and a remodelled and refurbished Stopford Building.

Phase One of the Masterplan is to significantly remodel, refurbish and extend the listed Dover Street Building to create a new facility for the Medical School. The scheme will also include a number of rooftop greenhouses for specialist research.

The total cost of the planned works is in the order of £26.5m and the works will be complete in 2015.

In addition to the new Medical School Building, a number of existing laboratories will be refurbished within the Stopford Building. The total cost of these works is in the order of £5m and the works will be complete in 2016.

Further phases of the Faculty of Medical and Human Sciences and Life Sciences Masterplan will be delivered in Phase Two of the Estates Strategy.

Jodrell Bank

Following the recent investment into a new home for the Single Kilometre Array Project, the University's investment will continue with a number of key projects. We will embark on a programme of maintenance and repair works to the Lovell Telescope, remove redundant structures and buildings around the site and significantly refurbish the telescope control building.

The total cost of the planned works is in the order of £11m and the works will be phased over a five-year period starting later this year.



Simon Building

The Simon Building has seen recent investment in a new Computer Cluster, a new shared services facility for Human Resources and conversion of the basements into new lecture theatres. This investment will continue with a £12m programme of long-term maintenance works and the creation of additional teaching spaces.

The Simon Building will also be the new home for The University of Manchester Staff Association and the Wellbeing Centre.

The works will be complete in 2015.

Teaching Block

A major new teaching block is required to replace both departmental and central teaching accommodation contained within the North Campus. The £32m building will contain general teaching accommodation, including large lecture theatres and smaller seminar spaces.

The building will be located on the plot of land between the Booth Street multi-storey car park and the Alan Turing Building. It will provide approximately 8,600 m² of accommodation and the project will be complete in 2018.

Manchester Business School

The exciting Manchester Business School Redevelopment Project will create a new hotel, Executive Education Centre and redeveloped School buildings to enable MBS to co-locate on one side of Oxford Road in the strategically important Oxford Road Corridor.

The project will be delivered in several phases, with construction scheduled to begin later this year, and will provide MBS with significant new facilities to service its growing student population, as well as the increasingly popular leadership and management programmes it delivers for significant national and international organisations.

The first phase will see the development of a new four-star hotel and Executive Education Centre. The hotel will provide a base for the numerous visitors to the Business School, as well as adding to the high end hotel space in and around Manchester.

The second and third phases will provide a new entrance to the School, refurbished

academic staff offices and new teaching and administrative homes for the School.

The final phase will include a resources and learning centre as a striking centrepiece to the refurbishment and remodelling of the existing MBS buildings.

The project's core vision is for the new Manchester Business School to become a landmark gateway to Corridor Manchester, at the heart of the city's knowledge-led economy. The ethos of the School is about applying original thinking to make positive change and the new development echoes this philosophy – both in its design and function.

As the School moves towards its goal of becoming a truly world-class business school, the hotel and conference centre will provide an excellent base from which to explore Manchester and will play a key role in attracting inward development to the city.

Bruntwood have been appointed as preferred developer.

Students' Union (Oxford Road)

In addition to around £1m being invested in refurbishing existing accommodation over a three-year period, the building will be extended to provide much needed additional accommodation to accommodate staff moving from the North Campus Students' Union. The total cost of the extension works are in the order of £2m and the works will be complete in 2018.

The University of Manchester Library

Following investment into the refurbishment of the ground floor of the University of Manchester Library and the creation of the impressive Alan Gilbert Learning Commons, significant investment in our Library facilities will continue over the coming years.

The University Library will be significantly remodelled and refurbished in order to relocate the Joule Library from the North Campus, and to provide enhanced and modern library facilities.

The total cost of the planned works is in the order of £11m and the works will be phased over a three-year period completing in 2018. Further investment in the Library is planned in Phase Two of the Estates Strategy.

Samuel Alexander and Mansfield Cooper Building

Significant investment in the Samuel Alexander and Mansfield Cooper buildings will result in major remodelling of office and teaching space for the School of Arts, Languages and Cultures and the creation of breakout areas where students can mix and carry out group work.

The work will complete the co-location of the School onto three sites on South Campus and

will facilitate the vacation of Oddfellows Hall and bring the English Language Teaching Centre onto the main campus.

The budget is around £11m for both buildings and will combine the remodelling and refurbishment required by the School with some long-term maintenance investment, and will take up to three years to complete.

Coupland 3

Coupland 3 is a listed building located on the Rear Quadrangle of the University's cluster of historic buildings. It was the original home of the School of Medicine and large parts of the building have been vacant for some time.

Significant investment is required both to the fabric of the building and internally to convert the building into a facility suitable for modern research, teaching and administration.

Following completion of the project the building will be occupied by the School of Law, the Directorate of Student Experience and the Faculty of Humanities Administration.

The total cost of the planned works is in the order of £29m and the works will be complete in 2016.

Other campus-wide projects and long-term maintenance

In addition to the major projects planned, the University will continue to invest in its Estate as follows:

- £8m investment in refurbishing and creating additional teaching spaces right across the campus, building on the recent investment into new environments for teaching and learning
- A new Directorate for Student Experience 'Hub' in University Place, which will provide a focal point for student information, advice and guidance. This will involve partial remodelling of the ground floor area to provide a new reception and information point, as well as additional student services on the first floor
- Major investment into IT infrastructure, which will include improvements to back-up power supplies, the data centre and telephone systems
- Public Realm works and landscaping, both around the new developments and around our existing buildings
- Fire Safety and Disability Discrimination Act works, including fire alarm and emergency lighting renewal across the campus and a further package of works to ensure our campus is more accessible
- Long-term maintenance is included in the Masterplan at a cost of around £25m per annum to address issues such as replacement windows, roofs, boilers, heating and ventilation, electrical power and lighting

Combined Heat and Power

The University is committed to reducing its carbon emissions by 40%. A feasibility study has been commissioned to determine how Combined Heat and Power (CHP) technologies could be used to reduce energy costs and carbon emissions. This study will recommend what our long term CHP strategy should be and how this can be phased and delivered in accordance with our programme of work within our Estates Strategy.

Phase Two: 2018-2022



Key

- Engineering and Physical Sciences (EPS)
- Medical and Human Sciences (MHS) & Life Sciences (LS)
- Humanities (HUM)
- Non-Faculty

Boundaries are indicative only.
Reproduced from Ordnance Survey Land-Line data with the permission of the controller of Her Majesty's Stationery Office © Crown Copyright 2008.

Phase Two of the Estates Strategy includes around £400m of investment into the following schemes:

Faculty of Medical and Human Sciences and Life Sciences

- Completion of the later phases of the Faculty of Medical and Human Sciences and Life Sciences Masterplan
- Interim refurbishment of teaching labs
- Infrastructure upgrades to the Wolfson Molecular Imaging Centre
- Refurbishment for the relocation of Psychology

Faculty of Engineering and Physical Sciences

- Chemistry refurbishments
- Computer Science refurbishments and some new-build
- Rationalisation and refurbishment for the School of Earth, Atmospheric and Environmental Science
- Works for School of Mathematics
- Further work at Jodrell Bank
- Fit out top floor of the Alan Turing Building

Faculty of Humanities

- Music practice rooms
- Works for School of Environment and Development and School of Social Sciences

Non-Faculty

- Support Services facilities refurbishments
- Teaching room refurbishments
- Sports projects
- Further Library investment
- Museum refurbishments
- Health centre
- Chancellors refurbishments
- Roscoe refurbishment
- Public realm and landscaping

